

## Sales, Income Of UCC Highest

**New Records Are Set  
For Year Of 1959**

Sales and net income of Union Carbide Corporation for 1959 were the highest in the Corporation's history, Morse G. Dial, chairman and chief executive officer, reported in a preliminary statement. Sales for the year were \$1,531,343,000, 18 per cent above sales of \$1,296,532,000 for 1958; and nine per cent above sales of \$1,395,032,000 for 1957, which was the previous record. Net income amounted to \$171,637,000, or \$5.70 per share, an increase of 37 per cent over the \$4.15 per share earned in 1958; and 17 per cent over the \$4.86 per share earned in 1956, which was the previous record.

### Strike Curtails Sales

Chairman Dial stated that new records were established in both sales and earnings in 1959 despite the three-month steel strike, which had an adverse effect on sales of alloys, electrodes, and industrial gages during the third quarter of the year. Sales of chemicals and plastics felt a delayed effect from the strike during the fourth quarter due to shortages of steel supplies in the automotive and other industries.

The outlook for 1960, he said, is for continued improvement in sales and earnings.

In his predictions for the year 1960, Chairman Dial looked for a record output in the chemical industry.

### New 1960 Mark Predicted

"We estimate that the 1960 total volume of industrial chemicals will show a substantial gain with the petrochemicals segment of the industry showing a proportionate increase," he said. He went on to point out the chemical industry is spending millions of dollars annually for research and development of new products to meet growing demands. He also said the country's capacity for chemicals now is close to 90,000,000 tons with an annual value of more than \$10,000,000,000.

## Civil Engineers Will Hear Talk By Louis Groeniger

Louis M. Groeniger, director of the organization and personnel division of the Oak Ridge Operations of the Atomic Energy Commission, will speak at a meeting of the Oak Ridge Section of the American Society of Civil Engineers tonight, Wednesday, February 10. The meeting will be at 8 o'clock in the Oak Ridge Utilities building, on the Turnpike, east of the bus terminal. It is the old police station.

Groeniger will speak on "A Phase in the Development of Leadership." All section members are urged to attend the session.

## Y-12 Doctor Will Speak At Oak Ridge Stamp Club

The Atomic City Stamp Club of Oak Ridge will meet at 7:30 o'clock next Tuesday night, February 16, at the Wildcat Den, Turnpike and Robertsville Road. Dr. T. L. Ray, Y-12 senior industrial physician, will talk on stamps of the Confederacy. He has one of the nation's outstanding collections of such stamps. The Junior Stamp Club will meet at the same place at 6:45 p.m.



PRESENTING THE "DOLLAR LETTER" from the Company to Stanley E. Grothius, center, Instrument Engineering, for assigning a patent to the government on an Area Radiation Monitor, is Y-12 Plant Superintendent John P. Murray, left. At right is W. E. Heckert, superintendent of the Y-12 Engineering Department, beaming with approval.

## Y-12er Presented 'Dollar Letter' For Part In Development Of Area Radiation Monitor

**Patent On Device For Detecting Nuclear Leaks  
And Giving Alarm Is Assigned To Government**

A device designed by Stanley E. Grothius, of the Y-12 Instrument Engineering Department, and four other Union Carbide Nuclear Company employees in Oak Ridge is expected to greatly improve the process of detecting nuclear leaks and the warning of persons liable to radiation exposure. The device is called an "Area Radiation Monitor" and a federal patent has been issued for the equipment.

Sharing honors with the Y-12er in the design, development and construction of the monitor are J. R. Mahoney, J. H. Lykins and D. M. Papke, all of the Oak Ridge Gaseous Diffusion Plant; and F. W. Manning, of the Instrumentation and Control Division of Oak Ridge National Laboratory.

### Murray Presents Letter

The patent has been assigned to the United States government and in recognition a "dollar letter" last week from Y-12 Plant Superintendent John P. Murray.

The "dollar letter" comes from UCN Vice President Clark E. Center. It reads:

"This is the \$1 stipulated in the patent assignment to the United States of America executed by you in connection with the filing of a patent application on your project development 'Area Radiation Monitor.'"

A crisp \$1 bill is pasted onto the letter.

### Not Effected By Routine

The monitor will give an alarm whenever a sensitive dose of radiation is detected. However, it is not effected by routine exposure of radiation, but is particularly sensitive to neutrons and gamma rays. The instruments are approximately four feet by one foot in size and their placement in areas is determined by the amount of radiation.

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## Dedication Of Hospital, Tour Set For Week End

Dedication of the new Oak Ridge Hospital of the Methodist Church will be held at 11 o'clock on Saturday morning of this week, February 13. A two-day "open house" inspection of the new \$2,900,000 hospital will follow the dedication with visiting hours being from noon until 7 p.m. on Saturday and from 1 p.m. to 7 p.m. on Sunday, February 14.

The dedication program is sponsored by hospital officials and those of the Atomic Energy Commission. The public is invited to attend the dedication and take advantage of the opportunity of touring the hospital.

## Y-12 Credit Union Statements Being Mailed To Members

Statements of accounts of members of the Y-12 Employees Credit Union now are being mailed in four installments and will be completed by February 25, it has been announced by W. R. McGill, a Y-12er who is president of the organization. The statements will cover the status of all share and loan accounts through December 31, 1959, including posting of the five per cent dividend declared on shares by the board of directors at the annual meeting January 20. The dividends are credited to each share account of members.

## AWS To Meet In Knoxville; GE Man Will Give Talk

R. J. Christoffel, supervisor of welding and engineering for the General Electric Co., Schnectady, N. Y., will address a meeting of the American Welding Society tomorrow night, Thursday, February 11, in Knoxville. The meeting will be at the Regas Restaurant, Gay and Magnolia Sts., beginning with a social hour at 6:45 p.m.

The speaker's topic will be "Welding in the Steam Turbine Industry." He will discuss the latest in steam turbine welding procedures, service conditions, weld performance and other phases of such work.

## Physics Seminar To Hear Duke University Scientist

The Oak Ridge National Laboratory Physics Division physics seminar meeting this week will hear from Lawrence W. Weston, of Duke University. The meeting will be at 3:15 o'clock Friday afternoon, February 12. The speaker's subject will be "Average Neutron Cross Section in the kev Region." Y-12ers interested in the topic are invited to attend the meeting.

## 'Safer 60' Than 'Fine 59' Goal; Superintendent Commends Record

**Noteworthy Progress Declared Made In Y-12;  
Continued Study Of Accident Causes Urged**

An even "Safer '60" than the "Fine '59" is the goal of the Y-12 Plant—and it can be reached by the wholehearted cooperation of every Union Carbide Nuclear Company employee. In a plant bulletin to all Supervision, Y-12 Plant Superintendent John P. Murray reviewed the excellent safety record in the Y-12 Plant Area during last year—and pointed out that "your continued efforts, prompted by a determination not to become self-satisfied or complacent, will improve our safety record over that established in 1959."

### "Substantial Improvement" Cited

Superintendent Murray commended Supervision for the "substantial improvement" reflected in the 1959 record over the average accident frequency rate for the two preceding years. For 1959 the rate was only 0.93 (number of disabling injuries per 1,000,000 hours of plant operations). For 1957 and 1958 the rate was 1.23—showing the 1959 record to be 24 per cent below that of the two previous years.

The superintendent pointed out that the 1959 frequency rate of 0.93 is the second lowest since the beginning of Y-12 operations by Carbide in 1947. The lowest was in 1949 when the mark was 0.86. In 1959 there were 11 disabling injuries reported while in 1949 there were only three. However, during 1959 the plant operated for 11,843,105 man-hours, far more than the figure of 1949.

### Burns, Falls Decrease

Reviewing the causes of lost time accidents in the Y-12 Plant Area, it was pointed out by Superintendent Murray that in 1957 and 1958 "burns and falls accounted for 43 per cent of the total disabling injuries. Concentrated efforts by Supervision reduced these types of injuries, since only 18 per cent of the total injuries in 1959 resulted from burns and falls. This is noteworthy progress in accident prevention.

"However, three types of injuries—struck against, struck by or caught in or between—caused eight of the lost time injuries in 1959, or 73 per cent of the total."

A closer study and evaluation is urged of the causes of accidents experienced in the Y-12 Plant and a 1960 objective should be to "remove or prevent causative factors" as well as continued emphasis to potential accident causes and corrective action taken to eliminate all possible hazards.

### Can Point With Pride

As reported in The Bulletin last

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## Fire Losses In Y-12 Drop In 1959 From 1958 Record

Although the Y-12 Plant had three more fires in 1959 than in 1958, the property loss was far less. In 1959 there were 77 fires in the plant with a damage loss of \$13,752 as against \$208,055 the previous year.

No particular fire in 1959 caused most of the damage, as usually is the case. For the first time in several years no fire losses were reported from welding and cutting or cigarettes and matches. The major causes of fire losses in 1959 were overheated material and electrical.



## Quality Control Body Program Set Thursday

**Three Speakers Slated  
On Final Presentation**

The third program of "Something for Everyone" to be offered by the Tennessee Section of the American Society for Quality Control will be presented at 7:30 o'clock tomorrow night, Thursday, February 11. The meeting will be at the Alexander Hotel, Oak Ridge.

Speakers will be Ralph Lynn, vice president of manufacturing of the Southern Gage Co., Erwin, Tenn.; Don Gardner, statistician with the Oak Ridge National Laboratory mathematics panel; and Dave Chambers, professor of statistics at the University of Tennessee.

Lynn's subject will be "Quality Control Practice in a Gage Manufacturing Plant." He has been engaged in the design and manufacture of gages for his company for several years. In this capacity he brings first-hand knowledge to bear in discussing quality control in his organization.

Gardner will discuss "Calibration by Least Squares—Its Advantages Over Other Methods." He has been with the ORNL mathematics panel for four years and also has been assistant professor of statistics at the University of Tennessee.

"Goals of The American Society for Quality Control" will be Chambers' subject. He will discuss benefits of membership in the ASQC and purposes of the society. He is now helping to plan for program for the quality control clinic to be conducted at the University of Tennessee in March. Gardner also will take part in this clinic.

### NEW LINDE UNIT STARTED

Ground was broken recently at Huntsville, Ala., for a new Linde Company plant. The plant will be capable of producing 135 tons of liquid oxygen and nitrogen daily. It is located near the Redstone Arsenal and is scheduled for completion in mid-summer.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
**59 Days Or**  
**1,888,000 Man-Hours**  
(Unofficial Estimate)  
Without A Disabling  
Injury  
**Through February 7**  
Phone 7755  
For Daily Report  
On Accident-Free Hours



# The Bulletin

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## 'Love For Love' Playhouse Show For Valentine

"Love For Love," a satirical fantasy, will be presented by the Studio Theater Group of the Oak Ridge Community Playhouse on the Eve-Of-Valentine, Thursday, Friday and Saturday of this week, February 11, 12 and 13. Curtain time is 8:20 p.m. The comedy will be staged at the Community Playhouse on Jackson Square with two Y-12ers in the cast and another as a back stage operator. They are Don Cowan, Labor Relations; Bob Wilder, Enriched Uranium Recovery; and Lew Skeel, Colex Laboratory. All have appeared in Playhouse productions previously.

"Love For Love" is a 17th Century Restoration comedy laid in merry Old England in the reign of King James II. It depicts the trials and tribulations of the lovers, Valentine and Angelica. Valentine, played by Cowan, is beset with problems. They include a conniving father who is an eccentric old man who dabbles in astrology and dream interpretations and who has a young wife with roving eyes. His troubles also involve assorted females who cast their eyes at Valentine. Contributing to the general confusion is Wilder, as a shy lawyer. Skeel is in charge of building the set for the production. Fittingly, the comedy is directed by Douglas Davidson, an Englishman from Oxford University.

"Love For Love" is a Playhouse extra with tickets free to holders of season tickets. Non-members may purchase tickets.

## Y-12ers With 15, 10 Years Company Service

Congratulations to the Y-12 employees listed below who will complete 15 and 10 years of Company Service within the next few days.

### 15 YEARS

Fred R. Sexton, Forming, February 12.

James T. Creasman, General Machine Shop.

Lucille J. George, Janitors, February 14.

William S. Caruthers, Electrical Maintenance, February 15.

### 10 YEARS

James W. Young, General Machine Shop, February 13.

Horace M. Monday, General Machine Shop, February 14.

## ASME And AIEE Will Hold Joint Meeting February 18

The Oak Ridge Sections of the American Society of Mechanical Engineers and the American Institute of Electrical Engineers will hold a joint meeting on Thursday night, February 18. The session will be at the Oak Ridge Elks Club, beginning at 6:30 o'clock, followed by the business meeting at 7:45 o'clock.

J. W. Suggs, of the General Electric Co., Schenectady, N. Y. He will speak on "Modern Turbines and Generators." Y-12 members of the two associations wishing to make reservations may obtain them from J. C. Cox, plant phone 7705.



**NEWLY INSTALLED OFFICERS OF OAK RIDGE CHAPTER NO. 390, ORDER OF EASTERN STAR**, above, include two Y-12 employees and several wives of Y-12ers. In the back row, from left, are Jean Jones, wife of Carl M. Jones, Sunflower Foundry, named to the post of Esther; Claude Stephens, associate patron; Nell Deford, associate matron, wife of Fletcher Deford, Research Services; Ruby Collins, worthy matron; John Collins, worthy patron; Harold Bailey, Production Control, sentinel; and Mary Horton, wife of Homer Horton, Product Processing, secretary. In the middle row are Daisy Ward, of the Y-12 Production Analysis Department, chaplain; Laura Thomas, wife of William Thomas, Research Services, marshal; Ruth Bracken, elected Ruth; Vestal Jones, Martha; and Jane Farrar, Ada. In the front row are Ida May Parker, Electra; Helen Bailey, wife of Harold Bailey, conductress; Billie Beatty, organist; Mary Belle Gann, warden; Kathleen Warters, treasurer; and Annabelle Ryon, associate conductress.



The little sketch above is just a gentle (?) reminder to youse guys—and gals—of Y-12 not to forget to remember your BB (Best Beloved) come Valentine's Day. An appropriate—not necessarily expensive—gift is always acceptable. However, neither lad nor lassie should overlook the occasion and opportunity for oral expressions of regard and affection. Just a word—or glance, even—could bring joy to an object of one's affections. Why not try it?

Incidentally, Valentine's Day is next Sunday, February 18.

Meanwhile, the Ol' Colyum Conductor wants to pass out sympathetic expressions to the many fluffed folks around Y-12. He (knocking wood) has merely been sideswiped by the ailment and so far (again knocking wood) has escaped confinement with the exception of one miserable day of sniffles, etc., etc. Undoubtedly, the shortness of the Colyum this week is the result of some of its agents being "under the weather" but the Prop. & Gen. Mgr. is going right ahead with what is on hand—starting off with—

### ENGINEERING

Mechanical Engineering reports that the "flu bug" has smitten R. T. Wyrick, Bill Hood, Bill Galyon, Eleanor Bennett and its Colyum contributor, Frank Fuis. Please, folks—get well real soon... Get well wishes are also extended to Dave DeWalt's father, who is in the hospital... Wonder why M. B. Hilton wears blinders on his eyes since he returned from New York... Seen: Nora Hurst trying to lasso the stork—seems she wants to be called grandma. Good luck, Nora... The Colyum's grateful thanks to Lettie Ault, who pinch-hit last week on short notice for the ailing Frank Fuis.

### SHIFT SUPERINTENDENTS AND UTILITIES

If the Steam Plant whistle toots a little louder this week it is congratulating E. J. Garrett, who is the

Proud Pop of a new baby boy—and is taking a week of vacation to celebrate the event... R. E. Ballew is welcomed back after a long illness.

Utilities extends condolences to C. H. Jarvis, whose father died recently... The W. S. Everetts week-ended down in Middle Tennessee.

### INDUSTRIAL RELATIONS

Seems as how all the Boys in Blue and Gray of the Fire and Guard Department either have been had by the flu, or are acquiring the worrisome misery, so Scribe Liz Campbell wig-wags up the hill that news is scarce down there, too... Among the get well wishes recipients are Guard J. H. Russell and any others who may be among the missing this week because of illness... One bright spot in the picture is that Guard W. M. Queener was welcomed back last week after a bout with some heckling indisposition.

The gals in Division Superintendent George W. Flack's office took turns on the sick book last week... First it was Hazel Lane out with the flu—then her able substitute, Irene Reed, turned up with the same trouble—hope Irene gets back safe and sound soon.

### MECHANICAL OPERATIONS

Some folks in the General Machine Shop have remained well enough to take vacations... Tom Howard spent a week at his home in Athens, Tenn... P. E. Woody also was away last week and J. L. Overton is taking off this week—but neither of them revealed their plans... The Shop's red rug of welcome was shaken out last week for newcomers J. C. Nichols, P. G. Hockaday, J. T. Case, M. R. Robertson, T. W. Avera, H. V. Mynatt, L. M. Ledford, J. C. Jones, L. F. Otten, Paul Abner and H. S. Cook... The Shop also has its full share of the halt and the lame to whom get well wishes are sent—to wit—N. C. Abbott, recovering from surgery in Oak Ridge Hospital; John Shoopman, now out for several weeks; Joe Donahue, Willard Crawley, Cota Sharp, J. C. Maples, D. M. Willey, Hugh Richards, P. D. Wirey, A. E. Huskisson, L. B. Keith, J. M. Butts, J. F. Ray, R. E. Gibson and L. B. Marlar.

Off to the races—automobile, at Daytona Beach, is George Hyatt on vacation from the TW Shops... J. V. O'Neil is just taking it easy at home but S. Holloway is reported working around his residence... Get well wishes are sent P. A.

Fritts, Glen Neal, J. E. Blakney and B. W. Hensley... Welcomed back after extended illnesses are J. C. Kendrick and A. Smith.

The Beta Four Heavy Machine Shop is congratulating W. T. Chapman, who became a Proud Pop on January 30 when young William Titus Chapman, Jr., joined the family—the youngster will be called Tye... Rapid recovery wishes are rushed to C. F. Butler, F. L. Deal, J. D. Gill and E. J. Sands... Vacationers are Hubert R. Hickman, resting at home; H. C. Inman, working around home; and J. R. Thorpe, moving into a new home in Emory Valley.

### MAINTENANCE

This little fellow with the pensive pose is young John Bradley Fox, who just arrived on the worldly scene a few days ago to make a mighty proud Grandpop of J. R. Pitts, Electrical Maintenance.



Johnny Fox

Mrs. John Fox, living on Kingston Pike over in Knox County and the proud Mama is the former Miss Juanita Pitts who used to work in the Y-12 Stores Department... Electrical Maintenance is plagued with a lot of flu and other ailments so rapid recovery wishes are speeded to Babs Stooksbury, R. J. Spurling, T. J. Anders, J. W. Rule, J. R. Johnston, E. E. Cook, D. L. Glover and Sam King.

Another Proud Grandpop and Pop combination in the plant is



Andrew Jeffreys

L. A. Jeffreys, a carpenter in Buildings and Grounds, the Grandpop; and Frank Jeffreys, of the Beta Two Department of the Chemical Operations Division, the Pop. The particular object of their affections and the youngster whose birth about four months ago gave the Y-12ers their rank is Andrew Alphonse Jeffreys, pictured here. By a coincidence, both Frank Jeffreys and Albert Alphonse are only children. Incidentally, Albert Alphonse is a husky, 17-pounder now.

Buildings and Grounds carpenters and other folks were sending get well wishes to Bob Martin last week—hoping he will be back in their fold this week.

### FINANCE AND MATERIALS

Deepest sympathy is extended to Effie Lou Cagley, of the Mail Department, whose aunt died recently... Get well wishes are sent ailing



**LONG ASSOCIATED** with the Eastern Star organization are the Defords, above. Nell, left, is the new associate matron of the group and Fletcher, a Y-12er in Research Services, is a former past patron of the chapter. The youngster is their grandson.



**THE INSTALLING OFFICER** for the Oak Ridge Eastern Star ceremonies was Mrs. Argil Witt, of Knoxville. She will be installed as the Grand Matron of the OES (highest office in the state) in Memphis in April.

Ernest Duncan, now home from hospitalization.

Janice Hildebrand, Plant Records, was a recent week-end visitor at the home of her aunt in Chattanooga.

Reproduction sends its heartiest get well wishes to Mattie Wright, another on the ailing list.

More of the same—rapid recovery wishes are extended to Tom Norerosse and Geraldine Watson, of Property.

### TECHNICAL

Just to be different—Connie Mills, of Radiation Safety, and her two daughters, Cheryl and Darlene, are all spending some time at home, and not with the flu. They all three are having a swell time—with the mumps, yet... The department is glad to warmly welcome a couple of newcomers—M. B. Edwards, an immigrant from Oak Ridge National Laboratory; and Dave Allison, a fugitive from Oak Ridge Gaseous Diffusion Plant.

Cum 'n see we-uns some time.

## Dancetimers Club To Hold Valentine Dance Thursday

The Dancetimers Club, a Young Women's Christian Association group, will present its annual Valentine Dance tomorrow night, Thursday, February 11. The dance will be at the Ridge Recreation Hall from 8:30 p.m. to 11 p.m. All single adults in Oak Ridge are invited to attend.







A STRONG Y-12 ENTRY IN THE CARBIDE BASKETBALL LEAGUE is the Reactor team, pictured above. In front, from left, are Joe Vannoy, Lew Fitzgerald and Capt. Tom Verner. In the rear are Don Forrester, Bill Maddux, Fred Hardin, "Spud" Chandler and J. E. Cheek. Through last week the team was unbeaten in league competition.

## Reactors, Demons Win Hoop Tilts; Race May Be Decided By Final Game

With both league leaders posting impressive victories last week in the Carbide Basketball League and remaining undefeated, indications point to the title being decided on the last night of play, February 25, when the Oak Ridge Gaseous Diffusion Plant Lab Demons, now with a 7-0 record; and the Y-12 Reactors at 6-0, clash in the final tilt of the season.

### Y-12 Ramblers Explode

In last week's games, the Reactors romped over their fellow Y-12 Beta Four quintet by 63 to 42. The Lab Demons were also scoring a win, but not too impressively, as they were forced to extend themselves for a 50 to 42 win over the ORGDP D Shift five. In other engagements, the Y-12 Ramblers uncovered an unexpected burst of power to beat D Shift by 55 to 18, the ORGDP team being shorthanded in personnel; and the ORGDP Hot Shots humbled the Y-12 Hawks by 53 to 33.

The Reactors got away to an early lead and held it with four players in the double figure brace-

## Beavers, Nine Pins Tied For Bush Lead

The Beavers swallowed the Hi Balls for three points and the Nine Pins scorched the Hot Rodders by the same score to remain in a tie for first place in the Bush League of Y-12 keggers on February 1. The defeat knocked the Hi Balls out of a tie with the two victors for the top rung. In other tilts the Inspectors drew close to the loop leaders with a three and one-half point win over the Lucky Five, the Alley Gators ground down the first half of the season winners, Alley Cats, for three and the Balls O' Fire rolled over the Rollniks by the same score.

Charley Gillihan, Balls O' Fire, burned up the alleys for most individual scoring honors with a 264 scratch and 290 handicap game and a 552 scratch series. Ron Taylor, Alley Cats, tied Gillihan in the latter classification. C. W. Cupp, Alley Gators, had the top handicap series of 650. The Alley Gators grabbed off most team scoring highs with an 849 scratch and 1044 handicap game and 2985 handicap series. The Beavers got into the act with the best scratch series of 2411.

League standing follows:

Team	W	L
Beavers	9	3
Nine Pins	9	3
Inspectors	7 1/2	4 1/2
Hi Balls	7	5
Balls O' Fire	7	5
Alley Gators	6	6
Hot Rodders	4	8
Alley Cats	4	8
Lucky Five	3 1/2	8 1/2
Rollniks	3	9

kets. Fitzgerald had 15, Hardin 13, Forrester 11 and Chandler 10. Beta Four's Bryson, one of the best performers in the league, was high point man of the game with 16. Tripp tallied 13 and Vaughan nine for the losers.

### Demons Rally For Win

The Demons found D Shift tough scrappers and the game was tied at the three-quarter pole at 32 each. A fourth period spurt saved the Demons. Sullivan had 16 points and Cates 13 for the Demons. D Shift's Smith led the game scoring with 20. The margin of victory for the Demons came at the free throw line with the winners hitting 16 of 24 while the losers could bag only six of 18 chances.

The crippled D Shifters were at the mercy of the Ramblers all the way, the losers being held to two points in the first, third and fourth periods. Meanwhile, the Y-12ers with Biddix and Valentine each scoring 12 points, Roark and Sims at eight each, coasted.

### First Half Grounds Hawks

The Hawks just couldn't get off the ground against the Hot Shots in the first half, but the Y-12ers showed a big form reversal in the second to actually outscore the winners. However, it was far too late. Graham led the winners on the scorebook with 21 points and Crass bagged 10. For the Hawks, Richards dunked 12, Snow eight and Boucher seven.

Line scores and league standing follows:

Beta Four	7	15	30	42
Reactors	11	19	41	63
D Shift	11	20	32	42
Lab Demons	10	23	32	50
Hawks	2	10	19	33
Hot Shots	12	31	39	53
Ramblers	12	26	37	55
D Shift	2	14	16	18

Team	W	L
Lab Demons	7	0
Reactors	6	0
All Stars	5	1
Beta Four	4	3
Hot Shots	4	3
D Shift	2	4
See Reds	2	4
Hawks	1	6
Atoms	1	5
Ramblers	1	5

### OLD LETTER CANCELLATION

A news report from Glasgow, Scotland, has reported that stamps on letters posted recently in Scottish cities were cancelled with dies engraved "National Bible Society of Scotland 1809-1858."

## Brown Blistering As Wolves Shutout Classic Loop Foes

Seasonal Records Set; Swingsters Triumph To Hold League Lead

With J. D. Brown burning up the alleys with seasonal high scores all the way, the Wolves really howled in the Classic League of Y-12 bowlers last Thursday night to take four points from the Sportsmen. The win helped the Wolves draw nearer the loop lead as the top flight Swingsters could only take three from the Wasps. Wins of four points also were scored by the Tigers over the Has Beens and Markers over the Rebels. The Cubs conked the Eight Balls, the Bumpers bumped the Playboys and the Screwballs sunk the Smelters, all by three. The Rippers and All Stars rolled to a two-point tie.



J. D. Brown

Brown's blasting of the pins gained scratch scores of a 256 game and 638 series, handicap markers being 274 and 692. In team scoring the Swingsters' 1077 handicap game and 3090 series were tops of the night.

League standing follows:

Team	W	L
Swingsters	16 1/2	3 1/2
Wolves	15	5
Markers	13	7
Cubs	12 1/2	7 1/2
Bumpers	12	8
Tigers	11	9
Rippers	11	9
Screwballs	11	9
Wasps	9	11
Playboys	9	11
Has Beens	8	12
Smelters	7	13
All Stars	7	13
Rebels	7	13
Sportsmen	6	14
Eight Balls	5	15

## Hunters In Triple Tie In Volley Loop

The Carbide Volleyball League started its second half of the season play last Thursday night with the Y-12 Hunters taking a share of first place with a forfeit win of three points over the Oak Ridge Gaseous Diffusion Plant MIT outfit. The MIT team has disbanded but its spot is expected to be filled this week. The first half championship ORGDP A Shift team also got a forfeit win from the Y-12 C Shift Cats. The third party to the three-way deadlock for the top spot is the Set Ups from Oak Ridge National Laboratory, who took a 15-2, 17-15, 15-1 win from the ORGDP Spikers. In the other match of the week the ORGDP Process Engineers took two out of three games from the

## NEW TABLES PROVIDED FOR INDOOR TENNIS AT WILDCAT DEN

Three new and modern tables for the indoor sport of table tennis are to be installed at the Wildcat Den for use by Carbide players. The exact date they will be available for play will be determined by weather conditions early this week that might affect the installation work. A number of Y-12ers are among the table tennis performers who have been turning out every Monday night to play a ladder competition at the Wildcat Den and the new equipment provided by the Company will be warmly welcomed.

## Toppers Gain Tie For Lead; Phantoms Have Scoring Surge

The Toppers tripped the Scrapers for a three-point win in the Mixed League of Y-12 men and women bowlers last week to forge into a deadlock with the Goofers for the loop lead. The Goofers fell before the Pin Plasters by the same score with the losers losing their share of the top rung of the ladder that they had held for three weeks.

The Phantoms really went to town in high scoring to blast the Alley Cats for a four-point whitewash and tie the Pin Plasters for second place. The Cool Cats cooled off the Nip and Tucks by the same score.

Paddy Peckman led the masculine scorers of the Phantoms and the league with a 545 scratch and 638 handicap series score. His wife and teammate, Verna, had a 621 handicap series for best of the night. Joe Dunlap, Pin Plasters, knocked down 221 pins for the high scratch game and increased it to 238 with handicap. Nell Jago turned in the best scratch triple of the night to help the Toppers along. Nancy Garrison's 192 scratch and 238 handicap game for the Scrapers was high.

The Phantoms swept the board in team scoring with 655, 815, 1932 and 2412.

In addition to her high handicap series score, Verna Peckman picked up the difficult 6-7-10 split not once but twice during the alley activities.

League standing follows:

Team	W	L
Goofers	13	7
Toppers	13	7
Phantoms	12	8
Pin Plasters	12	8
Cool Cats	8	12
Nip and Tucks	8	12
Scrapers	7	13
Alley Cats	5	15

Y-12 Eagles by 15-5, 12-15, 15-12.

League standing follows:

Team	W	L
Hunters	3	0
Set Ups	3	0
A Shift	3	0
Process Engineers	2	1
Eagles	1	2
Spikers	0	3
MIT	0	3
C Shift Cats	0	3

## Y-12 Bowling Meet Will Offer Wide Prize Distribution

Cash Awards, Trophies Are Awaiting Winners In Various Events

Y-12 men and women bowlers will be out for both gold and glory when they take to the hardwood March 5 and 6 at the Ark Lanes in the 1960 Y-12 Plant Bowling Tournament. A generous distribution of prize money and trophies will be made to winners in the various events, according to the tournament directors.

Entries for the big annual event will close at 4 o'clock Tuesday afternoon, February 23. Entry fees must accompany entry blanks for each team or individuals intending to participate in the event. The entry fee is \$2.40 per person, per event, with \$1.05 of the amount going into the prize money pot and \$1.35 being for bowling fees. Of the prize money, the \$1.05 fee will be returned 100 per cent in cash awards to winners. The prize money will be distributed according to rules of the American Bowling Congress and the Women's International Bowling Congress. All cash prizes will be awarded on a handicap basis.

Trophies will be presented to first and second place winners in scratch and handicap scoring in the various events of the tournament. They include men's teams, doubles and singles, women's doubles and singles and mixed doubles as well as all events for both men and women. A trophy also will be awarded for the high scratch single game in the tournament and the high handicap game of the event.

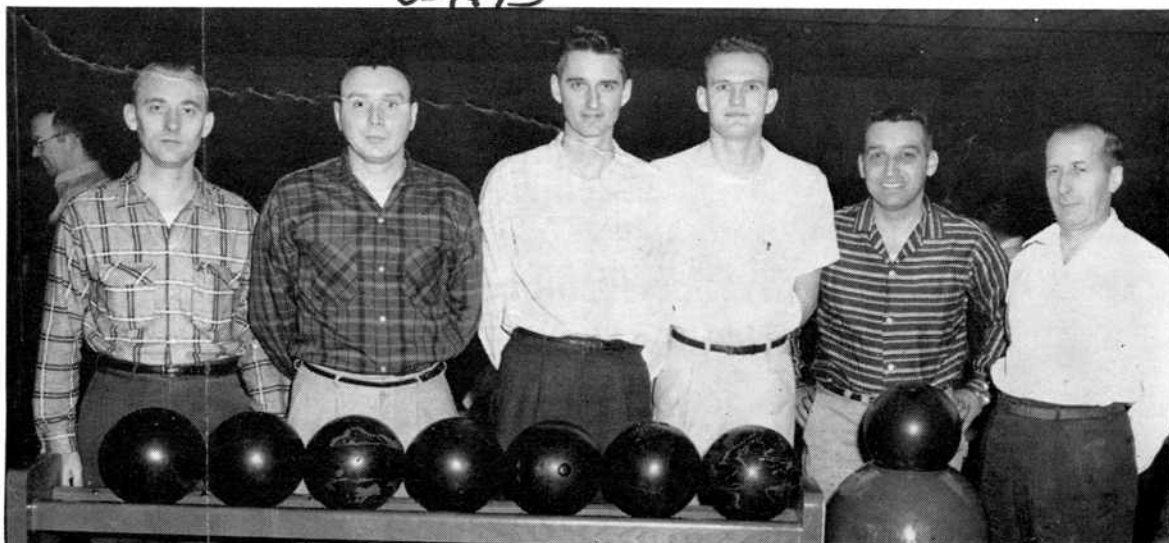
### Secretaries Have Entry Blanks

Complete rules are published on the official entry blanks, which now are in the hands of secretaries of the four Y-12 leagues for distribution.

For tournament competition, handicaps as of January 30 will be used. For Y-12ers rolling in plant leagues and those in other ABC and WIBC sanctioned leagues, the handicaps must be certified in league secretaries.

## Center Hill To Get Stocking Of Trout

Center Hill Lake is scheduled to receive a stocking of 50,000 rainbow trout sometime in March, according to Price Wilkins, principal trout biologist for the State Game and Fish Commission. The establishment of trout in large impoundments makes use of habitat not presently being utilized by other species and will add to the variety of fish available to Tennessee anglers. Stocking large numbers of small trout is the most economical way of meeting heavy fishing pressure in lake situations.



WITH A SPURT THAT BEGAN MIDWAY IN THE FIRST HALF OF THE SEASON, the Alley Cats, above, clawed their way to the opening round title in the Bush League of Y-12 bowlers. From left are Dave Grigg, Bill Sims, Capt. Ken Bowers, Ron Taylor, Jim Cole and Ed Maeyens.



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## Second Skeet Shoot Set February 14; Good Start Made

Y-12 skeet shooters made an auspicious beginning in the first competition in the popular sport to determine just how much interest there is in the clay pigeon target activity. Nine men turned out for the opening round of firing on January 31, and the second shoot at 1 p.m. next Sunday, February 14, at the Oak Ridge Sportsmen's Association range, is expected to attract considerably more competitors.

In the opening round firing the top score was 23 targets out of 25 shattered by Hal Tunnell. Jack Case and Fred Welfare tied at 22 each and Sid Smith blasted 21. Jim Turner broke 19, Bill Weathersby and J. M. Patterson had 15 each, Jack Cowen 14 and H. D. Landy nine.

The skeet shooting at the ORSPA range will be held every other Sunday as long as interest is shown in the sport. Following the firing on February 14, the next shoot will be on February 28. For newcomers to the group, it is pointed out that it is necessary for anyone intending to fire on any scheduled shoot day to notify the Y-12 Recreation Department not later than 9 a.m. on the Wednesday preceeding the Sunday shooting date. This will permit the Sportsmen's Association to have ample ammunition and other equipment on hand for the firing. The Recreation Department is located in Bldg. 9704-2, Room 132-A, plant phones 7109 and 7100.

The fee for each contestant is \$3.50 per round of 25 shots. The cost pays the expense of ammunition, targets and fees for trap boys.

## Y-12 Riflemen Top Lab, Independents

The Y-12 team in the Oak Ridge Sportsmen's Association Winter Rifle League posted two important victories last week. The Y-12ers posted a close two-point triumph over the Oak Ridge National Laboratory gunmen and also were presented with scratch and handicap points over the Independents when the latter team failed to show up. The wins gave the Y-12ers undisputed possession of first place in the circuit.

Well balanced scoring gave Y-12 the win over ORNL by 1396 to 1370 scratch and 1454.195 to 1445.527 handicap. Carl Brewster led the winners with 282 scratch, followed by Ed Brady 281, Dave Dewalt 280, Otey Cottrell 278 and Jack Huff 275. In handicap scoring it was Harvey Coppock 292.336, Brewster 291.434, Brady 291.254, Al Blay 289.641 and Cottrell 289.530. Jim Eldridge, ORNL, was high gun for the night with 289 and 293.938.

Firing for record against the Independents, Dewalt led Y-12 with 282 scratch. Then came Blay 278, Brewster 275, Bill Davis 274 and Brady 274. In handicap firing it was Blay 292.329, Coppock 290.705, Brady 288.407, Brewster 288.103 and Davis 287.627.

League standing follows:

Team	W	L
Y-12	21	3
ORNL	19	5
ORGDP	8	16
Independents	0	24

Avoid security infractions.

## Y-12er Is Presented UCNC 'Dollar Letter'

Continued from Page 1  
tion that possibly could be expected in such areas.

The monitor was given extensive tests at the Los Alamos, N. M., laboratories last autumn with performance considered excellent. Further tests are planned for Los Alamos in the near future.

It is tentatively planned to place the monitors in service at the UCNC gaseous diffusion plants in Oak Ridge and Paducah, Ky., and also at the Goodyear Atomic Corporation plant at Portsmouth, Ohio.

### Work Begun Last Summer

Actual work on designing the monitor began only last summer, Grothius said last week. In addition to the work of the five UCNC employees on the project, other UCNC personnel and men from the Goodyear firm aided with advice.

## Sunflowers Soar Back To Loop Lead

The Sunflowers soared back into the lead in the C League of Y-12 bowlers to usher in the month of February, smothering the IBMs with a four-point whitewash victory February 1. The Engineers, who had occupied the lofty perch at the top of the standings for one week, fired and fell back before the Big Five by three points. The Par Busters kept the race tight by mauling Murderer's Row for three. The Alley Cats, first half of the season winners, blanked the Knot Heads for four to climb to the .500 mark in the standings. D Shift and the Hookers improved their rating, taking three points each from the SPs and Chillers.

Ray Galford, Sunflowers, continued his hot scoring to take most individual scoring honors, featuring a blazing 630 scratch series. Galford and Strickland, Alley Cats, tied at 233 for high scratch game but Strickland topped the handicap game scoring with 262. Galford rolled a 657 handicap game.

In team scoring the Par Busters had three of the highs with a 890 scratch and 1039 handicap game and 2935 handicap series. The Sunflowers posted a 2520 scratch series for high for the night.

League standing follows:

Team	W	L
Sunflowers	17	7
Engineers	16½	7½
Par Busters	16	8
IBMs	13	11
Big Five	13	11
Alley Cats	12	12
Murderer's Row	11	13
Chillers	11	13
SPs	9½	14½
Hookers	8	16
Knot Heads	7	17

## Tellico Fishing Opens On April 7

Fishing regulations to govern the 1960 fishing season on the Tellico Wildlife Management Area have been set, according to John Lovin, area manager. Except for special regulations that apply to specific streams, Tellico fishing will get under way April 7, and remain open Thursdays, Fridays, Saturdays, Sundays and national legal holidays through September 5.

# What, Mr. Y-12 Average Motorist, Do You Think About Problems Of Traffic Today?

"What motorists really think about traffic safety?"

That's the title of one of the most interesting and factual booklets on traffic safety ever to reach The Bulletin. It is a report on a study conducted by the Opinion Research Corporation. The study was sponsored by the Pure Oil Co. and the ATA Foundation, Inc., (the research, education and public education affiliate of the American Trucking Industry.)

The Opinion Research Corporation survey approached the entire traffic safety problem from the standpoint of interviews with "average motorists." Believing that Y-12ers—as well as millions of other motorists on the road—regard themselves as "average motorists" The Bulletin is presenting the findings of the corporation in somewhat of an abbreviated form.

### Much Food For Thought

The views expressed in answers to questions by the Opinion Research Foundation certainly are food for thought to everyone who drives a motor vehicle. Y-12ers may—or may not—agree with some of the findings and conclusions of the report—but, right or wrong, a thorough reading of all installments of this story on the booklet should be beneficial to the safety habits of every driver.

First comes the question of "Who Is An Average Motorist?"

Nobody, apparently, or so the drivers would have you believe. Nine out of 10 adults in the investigation by the corporation



(and 100 per cent of those with a record of traffic violations) rated themselves above average in driving skill; and they say they are better than average at obeying traffic laws, too.

Now, to this "average motorist" a typical traffic safety slogan like "drive safely" apparently

means little, or nothing. The Corporation study indicates that he thinks those slogans are for ordinary, every-day drivers, the kind encountered in traffic jams. They are certainly not for the "average motorist," who would be insulted at the suggestion that he doesn't drive safely.

Most motorists want to be good, law-abiding drivers. They want to be, so they say they are. If sym-

bols of their ideal are held up to them instead of admonishing them to "Look Out" or "Take It Easy" safety communication would be much easier, the Corporation believes.

A number of drivers were asked questions on how to navigate the new super-highways.

How do you enter a limited-access highway? Who has the right-of-way on a traffic circle? Where do you pass an automobile straddling the middle lane of a six-lane highway?

### That's A Good Question

Drivers answered back—indicating they would like to know—asking, "Well, how do you enter a traffic circle? That's a good question I would like to know."

So communication and education of motorists might get a fine response—with the conclusion—

The good driver keeps up with progress on the highways.

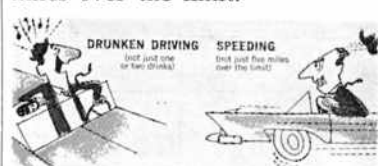
In the matter of traffic violations—the Corporation found that

the "average motorists" pay lip service to a highly moral way of looking at such violations—but are mostly concerned with their own convenience. Law enforcement should be flexible, they say, and more credit should be given drivers for having common sense.

The survey found, however, that 82 per cent of persons questioned say it is just as wrong to break a traffic law as to steal or lie. At the same time, 64 per cent say give warnings instead of tickets for minor violations.

Two Violations Bring Wrath

However, there are two violations that the "average motorist" really gets worked up about. They are drunken driving and speeding. The resentment is principally aimed at the drinking driver who has had more than "just one or two drinks" and the speeder not content with merely going "just five miles over the limit."



Mr. "Average Motorist" puts a lot of blame for traffic accidents on drinking drivers and speeders. To him, these are the "real killers"—the ones who ought to lose their licenses or be locked in jail. He talks as if no other violations exist.

However, if he is caught a little tipsy at the wheel, he'll point out that he's had "only a few drinks." If he's stopped for speeding, he'll explain that he was only going five or 10 miles over the limit.

### Skeptical About Cracking Down

In spite of occasional statements to the contrary, many drivers seem skeptical about long-range effects of cracking down on drivers with stronger laws. Maybe that's because the "average motorist" is not too sure how well the laws will be applied.



So, following this line of inquiry, the Corporation came up with replies from more than half of the adults interviewed that many judges in traffic courts are not well qualified for their jobs. That doesn't mean that a majority of judges are not fair and reasonable—but that some are prone to inefficiency in judging traffic cases.

## Rides Wanted, Offered

Ride wanted or will join car pool from West Hills, Knox County, to North Portal, straight day. Mavis Koons, plant phone 7358, home phone Knoxville 8-5227.

Riders wanted from Harriman to West or Bear Creek Portal, straight day. Raymond Curtis, plant phone 7994, home phone Harriman 2407.

Ride wanted or will join car pool from Cumberland Estates, Knox County, to any portal, G Shift. M. E. Schrivner, plant phone 7-8246, home phone Knoxville 8-4195.

Two riders wanted from Units 6 or 10, West Hills, Knox County, to any portal, straight day. S. J. Claiborne, plant phone 7688, home phone Knoxville 8-2565.

Riders wanted from Rockwood or Midtown to any portal, straight day. J. A. Abston, plant phone 7-8816, home phone Rockwood EL 4-9813.

Ride wanted from Rockwood to North Portal, straight day. A. J. Harvey, plant phone 7587, home phone Rockwood EL 4-0159.

Riders wanted from Athens, Sweetwater, Loudon or Lenoir City to any portal except East, straight day. A. R. Shamblin, plant phone 7-8667, home phone Athens SH 5-2839.

Ride wanted from 203 Waddell Circle, Oak Ridge, to Central Portal, straight day. W. P. Steele, plant phone 7671.

Want to join car pool from vicinity of Glenwood School, East Village, Oak Ridge, to Central Portal, straight day. L. M. Meadows, home phone Oak Ridge 5-2894.

Ride wanted from 162 West Tennessee Ave., Oak Ridge, to Bear Creek Portal, straight day. Jackie Hicks, plant phone 7-8846, home phone Oak Ridge 2-1427.

## Drownings In 1959 Exceed 1958 Total

There were 121 persons drowned in Tennessee during 1959, according to the State Game and Fish Commission records for the year. Suicides, murders, and auto and home accidents only accounted for 29 of these, leaving 92 resulting from recreational activity. This is more than 1958's low mark of 64 recreational drownings but less than the 96 recorded in the two previous years. As usual, swimming and wading accidents took the greatest total, accounting for 47 lives.

## 'Safer 60' Held Goal As Record Praised

Continued from Page 1

week, the splendid safety record for 1959—with only 11 disabling injuries and the frequency rate of 0.93—is one that all Y-12ers can point to with pride. Only 754 days were lost because of disabling injuries last year. In 1958 there were 13 lost time accidents, a frequency rate of 1.11 and 3,707 days lost. The 1957 record was 15 injuries, a frequency rate of 1.35 and 1,803 days lost.

With a distinct trend toward safer operations being shown—all Y-12ers are urged to double their efforts to prevent accidents—and

"Keep those green lights flashing for safety at all portals for the entire year."

## Cosmopolitan Club To Hold Apocries Festival Sunday

Members of the Greek Circle of the Oak Ridge Cosmopolitan Club will be hosts at a pre-Lenten festivities, Apocries, to be celebrated in the Starlight Room of the Oak Terrace next Sunday night, February 14, at 8 o'clock. Like Mardi Gras celebration, the observance of Apocries calls for wearing of costume and mask by every participant.

Folk dances of the various countries represented by the Cosmopolitan Club will be presented by various groups. American folk songs and popular music also will be provided for dancing.

The fun will be climaxed by awarding of prizes for the best adult and children's costumes, the most original, funniest and prettiest.

All members of the Cosmopolitan Club, of which there are many in the Y-12 Plant, and their children are invited to the festival.

Drownings occurring while persons fished from boats soared to 19 compared to six in 1958. Nine of these boat fishing accidents involved collisions with a boat wake, submerged objects and other boats. In five of these instances, intoxication was listed as a factor.

The greatest number of drownings fell in the 10 to 20-year-age group. Swimming was the greatest single cause of drownings and most victims were rated as average to poor swimmers.